



GSU Bridges The Generation Gap

JANUARY-FEBRUARY, 1971

(Page 2)

... A Decade of Challenge

As 1971 begins, we of the Gulf States team can look back on another year of solid achievement while looking forward to a decade of challenge.

The second year of the seventies should prove no less exciting than the first. We will continue our sizeable construction budget that calls for investing about \$640 million in the five-year period ending in 1974. Work is now in progress on a 580,000 kilowatt unit at Sabine Station, near Bridge City, and a 265,000 kilowatt unit at Lewis Creek near Conroe. Another 580,000 Kw unit has been ordered for Willow Glen. These units, representing almost 1 1/2 million kilowatts of additional power supply, will be on the line by 1974.

The reliability of our transmission system has been substantially bolstered by the construction of some 200 miles of 500,000 volt line in our system. Work has just been completed on another 100 miles of this line and we now have a 500,000 volt system across our territory with both ends tied to neighboring utilities.

The 1970 decade will probably be remembered as the "Age of Ecology". As Smithsonian Institute Director Daniel Boorstin puts it: "We sputter against the polluted environment as if it was invented in the age of the automobile. We compare our smoggy air not with the odor of horse dung and the plague of flies and the smell of garbage which filled cities in the past, but with the honeysuckle perfume of some non-existent City Beautiful. We forget that even if the water in many cities today is not as spring-pure . . . as we would like, for most of history the water of the cities - and the countryside - was undrinkable."

In the area of air pollution and thermal discharge into waterways, we are again fortunate. The natural gas we burn in our boilers is clean-burning and our power plants meet all air pollution requirements of Texas and Louisiana. Our plans are such that we should keep our water problem at a minimum until beyond the year 2000.

Finally, our strongest suit is the competent and dedicated people who comprise Gulf States. There's an old saying "When the going gets tough, the tough get going."

Look out, 1971!



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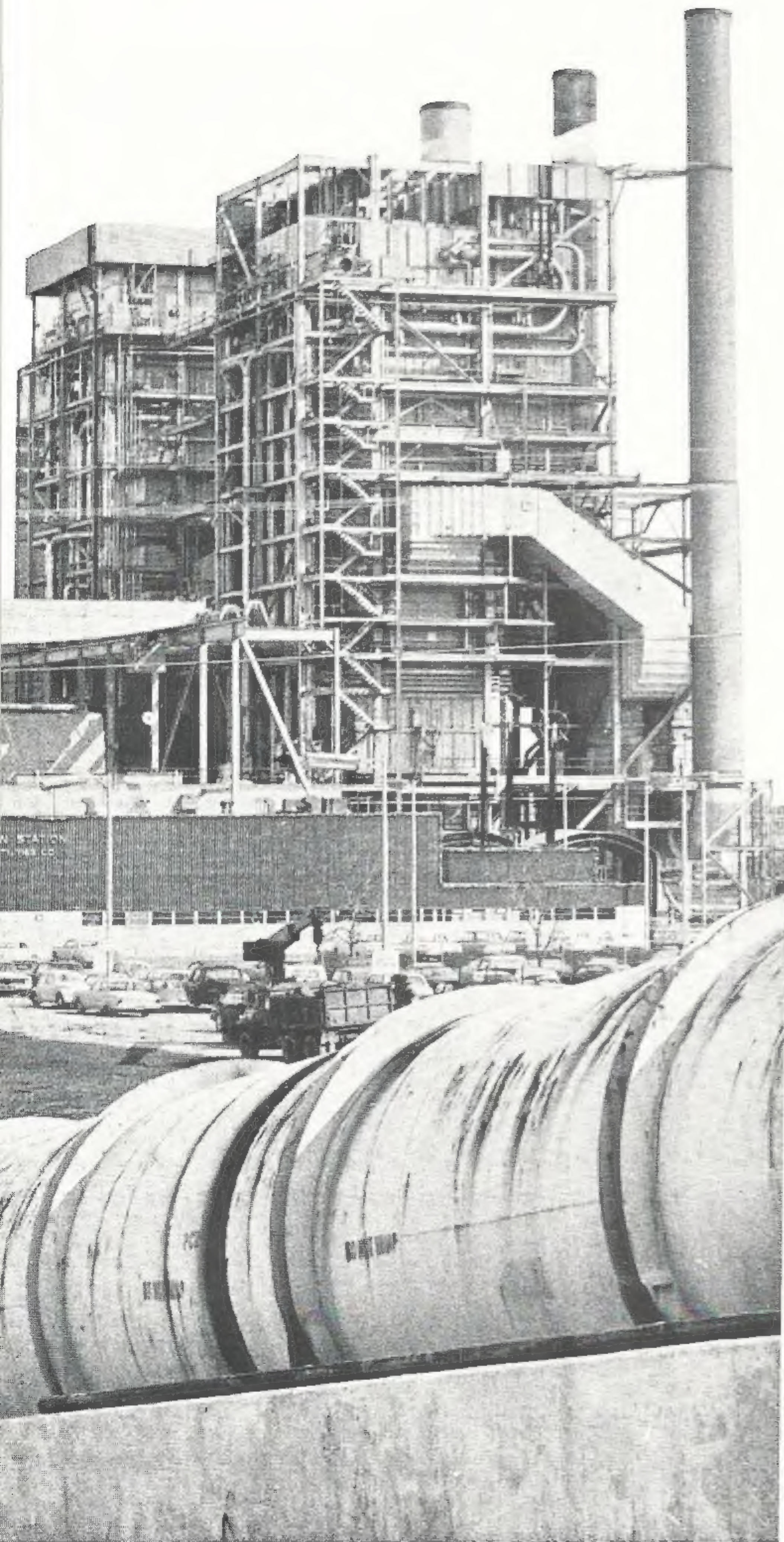
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Member: 

OUR COVER:
GSUer Phyllis Bairrington
displays our latest outdoor
poster designed for our
truck fleet.

GSU Bridges the Generation Gap.



GSU will mark 1971 with new generation units being placed into service, construction work beginning on others and still others on the drawing boards, but ready to be announced.

The first generating unit at Lewis Creek Generating Station near Conroe, Texas, that went into service in December will be joined by a second new unit this spring. This will boost the station's generating capacity to 530,000 kilowatts.

Lewis Creek is unique among the company's six power plants in that cooling water is provided by a 1,000-acre manmade reservoir. The reservoir water converts the steam needed to turn the giant turbine back into water which is then returned to the reservoir purer than when it entered the cooling system.

Construction work also began this past fall on a new multimillion-dollar 580,000 kilowatt turbine generator unit at Sabine Power Station near Bridge City, Texas. Completion of this unit in the fall of 1973 will increase that station's power generating capacity to 1,570,000 kilowatts.

Plans were announced recently to build a fifth generating unit at Willow Glen Power Station near St. Gabriel, La. Work on the new unit, which will increase Willow Glen's capacity to more than 2,000,000 kilowatts, is scheduled to begin in October, 1971, with commercial operations planned for the fall of 1974.

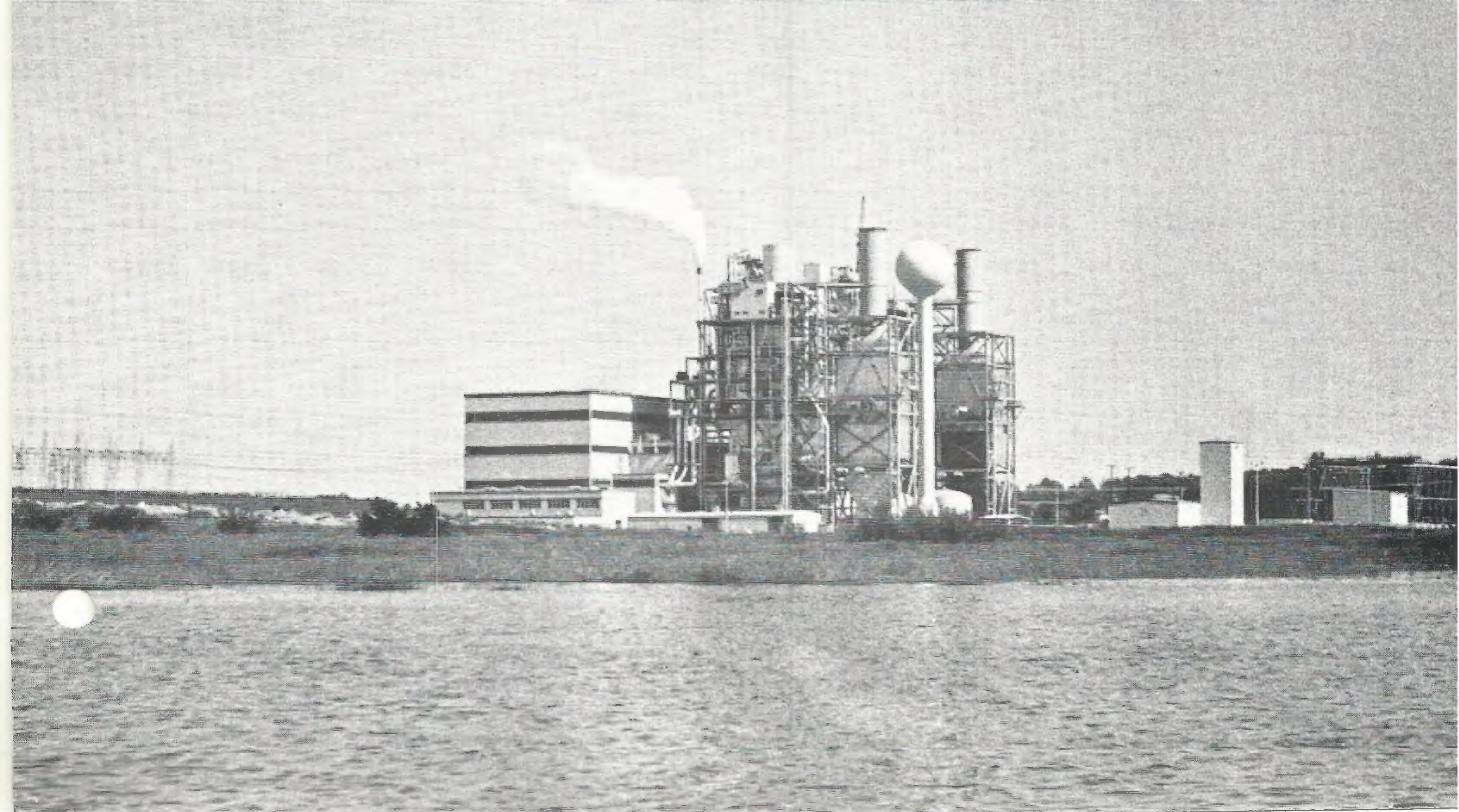
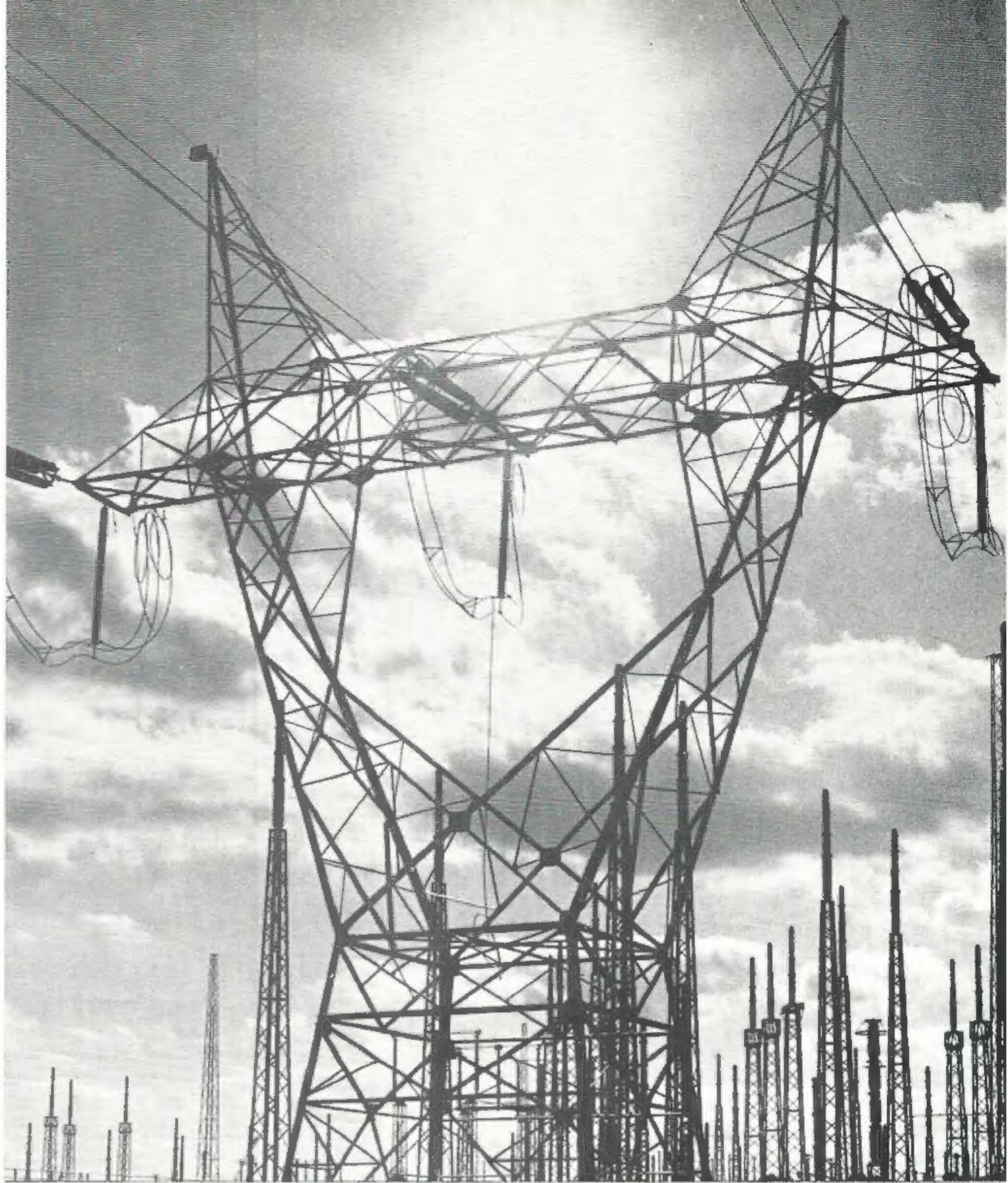
To get the power from the generating stations to the people, a new 500 KV loop system is currently under construction, and due to go into service during the first part of this year. The line winds its way 713.23 miles from Willow Glen across Louisiana, into

Texas, up into Arkansas, through Mississippi and back to Willow Glen. The system is a combined effort of sister utilities in these several states.

One important part of the loop is the Hartburg Substation near Deweyville, Texas. It is the only 500 KV substation in Texas.

Presently, the total GSU generating capability is nearly 4 1/2 million kilowatts, or about double its power supply five years ago. With growth and expansion of power plants increasing in 1971, it may well be the year that Gulf States bridges the generation gap.

(Preceding page) Willow Glen Generating Station, near St. Gabriel. (Right) Hartburg Substation, near Deweyville. (Below) Lewis Creek Generating Station, near Conroe.



GSU NEWS

Deaths



Ray E. Deaton, supervisor, estimating and budgeting, system engineering planning in Beaumont, died recently of a heart attack in St. Elizabeth Hospital in Beaumont.

Mr. Deaton joined our Company in 1948 after receiving his B.S. in electrical engineering from the University of Texas.

A Beaumont native, he became a junior engineer in 1949, and in 1952 was promoted to engineer.

Four years later he moved up to project engineer in system engineering, and in July, 1956, he was named division engineer in Baton Rouge. He returned to Beaumont as estimating engineer in system engineering planning in 1965.

Deaton attended public schools in Woodville, and was graduated from Kirby High School there.

A World War II veteran, Deaton attended the University of Texas in the Navy's V-12 program. After commissioning as an ensign, he saw Navy duty in the Atlantic.

Survivors include his wife, two sons, and one daughter.

Rodney P. Scioneaux, 49 died January 5th at Baton Rouge General Hospital. He had been an employee of GSU for the past 23 years.



Funeral services were held January 6th in Baton Rouge.

Mr. Scioneaux joined the Company in 1948 as an appliance repairman helper in the Baton Rouge Division. He has been an appliance repairman 1st class since 1953.

A native of Garyville, Mr. Scioneaux was a member of St. Thomas Moore Catholic Church.

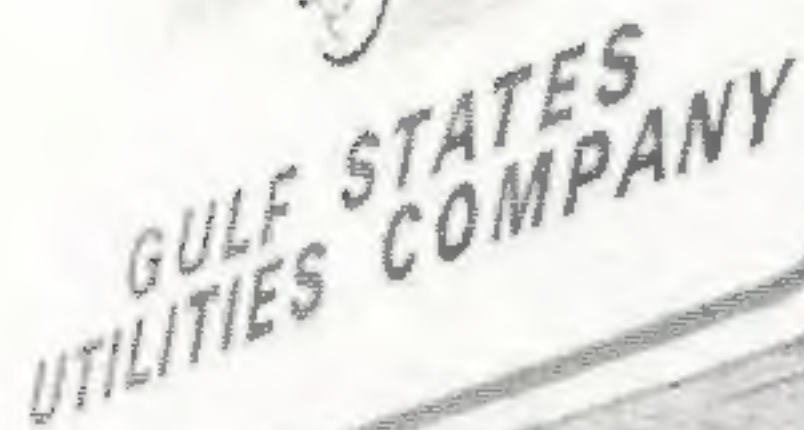
Surviving are his wife, the former Thelma Bryant, and their three children.



Registering for the "Conference on Engineering in the Modern Electric Utility", held in Shreveport, Louisiana, recently are left to right S. L. Adams, vice president engineering and production and Floyd Smith, president. At the registration table are Rita Miciotto and Diana Pittman of Southwestern Electric Power Company, conference host.



Marcus Andrews (left) accepts the Meritorious Service Award plaque of the Home Builders Association of Greater Baton Rouge from Stevens Myer, 1970 president of the association. Mr. Andrews, who retired last August as superintendent of residential sales in Baton Rouge, was active in the group for the past 20 years, and served several terms as a member of the associate board of directors.



GULF STATES
UTILITIES COMPANY

New Gonzales office opened.



The Southern district of GSU's Baton Rouge Division moved into a new building in Gonzales in mid-December.

Recently completed at a cost of over \$200,000, the new headquarters will house the administrative offices, the line department and the service department.

To celebrate the opening, a public open house was held to give local officials and the general public an opportunity to inspect the new facility. Local superintendent C. G. Glover hosted the open house which was attended by local dignitaries as well as state officials.



GSU president, Floyd R. Smith, cut the ribbon which officially opened the building.

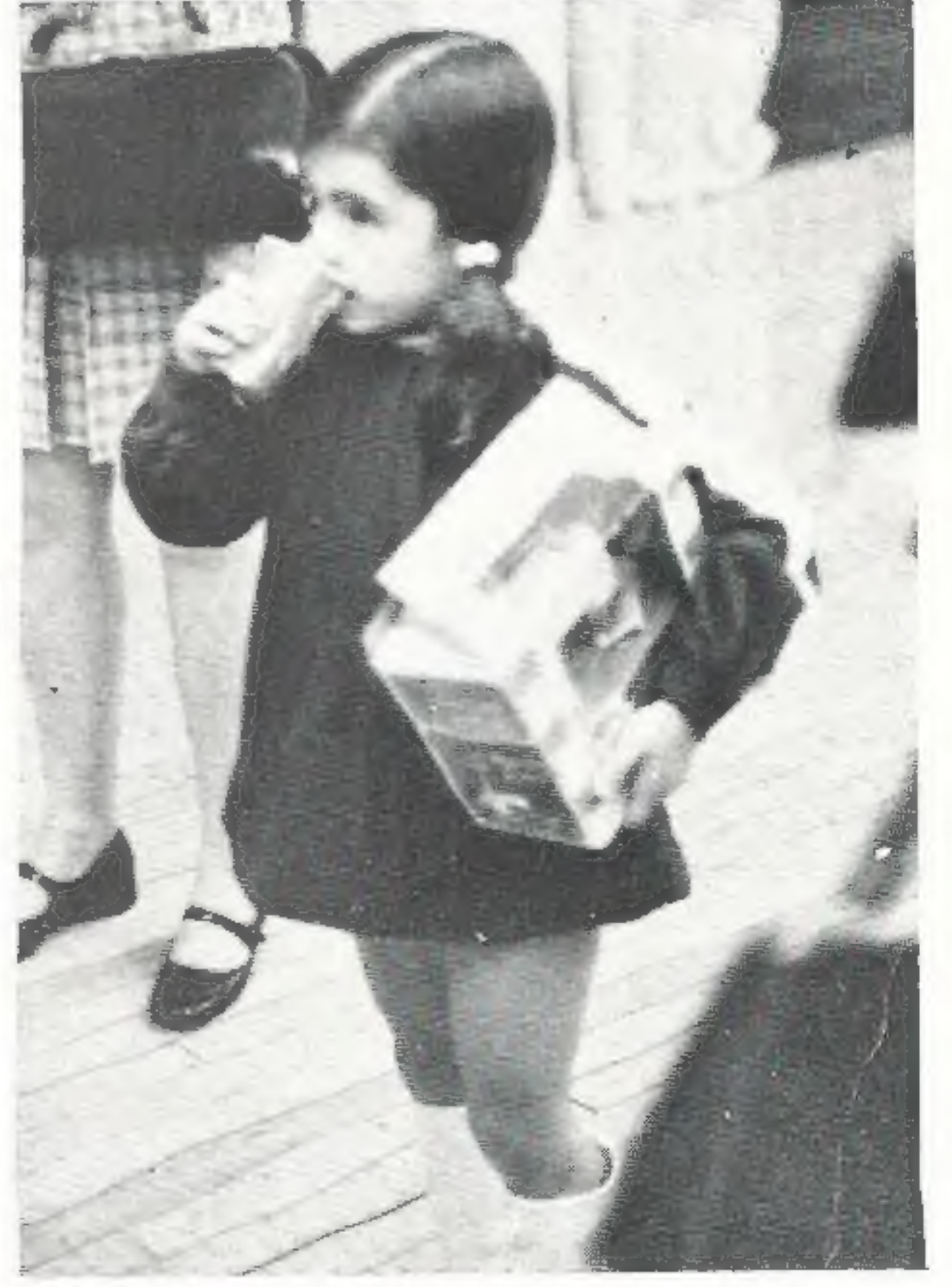


CHRISTMAS PARTIES ACROSS OUR SYSTEM

Baton Rouge Division



Beaumont



Port Arthur Division



Orange



Silsbee



Calvert



Cleveland



Woodville



Promotions

H. T. Henriksen, formerly maintenance planner in System Production, has been transferred to Neches Station and promoted to operations supervisor.



H. T. Henriksen

A native of Lake Charles, Mr. Henriksen joined the company at Neches in 1938. After progressing through various posts at the power plant, he moved up to maintenance planner in

1967.

Mr. Henriksen was educated in Beaumont area schools and attended Lamar Tech.

He is a member of the Northwest Beaumont Lions Club, the Young Men's Business League and the Southwest Football Officials Association. He also is active in work at St. Pius X Catholic Church and in the Knights of Columbus.

Married to the former Helena Ritter of Beaumont, Mr. Henriksen and his wife have two children. They are Mrs. F. E. Nelson of Beaumont and Linda Henriksen, a doctor in Houston, Texas.



Donald L. Cooke

James E. Booker, formerly staff engineer in System Production at Beaumont, has been transferred to IDS and promoted to supervisor-Records Management. He fills the vacancy created by the retirement of M. A. Merchant.



James E. Booker

Mr. Booker, a 14-year employee of the company, has served in a number of engineering posts. He has been staff engineer in Production since 1968.

A native of Hemphill, Tex., Mr. Booker was graduated from South Park High School in Beaumont. He holds industrial and mechanical engineering degrees from Lamar Tech.

Mr. Booker is a past president of the Lamar Ex-Students Association and currently serves on the group's board of directors. He is a member of the American Society of Mechanical Engineers, the Institute of Electrical and Electronics Engineers and is a registered professional engineer in Texas.

Mr. Booker and his wife, the former Merle Merritt of Beaumont, have three children. They are Sherrie, Cynthia and Bryan. The family attends the First Methodist Church of Beaumont.

Donald L. Cooke has been promoted to party chief of the Survey Section, Lake Charles T&D.

Mr. Cooke, formerly senior engineering assistant, has been employed by the company since 1956. He started out at Beaumont and was transferred to Lake Charles in 1966. He has worked in both the surveying and drafting sections.

A native of Orange, Tex., Mr. Cooke was graduated from Stark High School. He is a veteran of the Army.

Mr. Cooke is married to the former Judy Faye Beard of Bridge City, Tex. Their two children are Tanya, 9, and Donna, 8. The family attends Our Lady Queen of Heaven Catholic Church.



S. F. (Si) Krebs



Perry Sanderson

S. F. (Si) Krebs and Perry Sanderson have moved up to new posts in Beaumont T&D.

Mr. Krebs, formerly service foreman, is now service supervisor, and Mr. Sanderson, who had been line foreman, fills the post vacated by Mr. Krebs.

Mr. Krebs is a 30-year employee of the company, having started out in the Beaumont Line Department in 1940. He has also worked in the Service Departments of Beaumont and Woodville, Tex., and has been utility foreman and line foreman.

A native of Beaumont, he graduated from St. Anthony's High School.

Married to the former Dorothy Reaux of Beaumont, Mr. Krebs and his wife have four children. They are Edward, 24, a graduate music student at Washington State University; twins John and Connie, 21, both college students, and Mike, 12.

Mr. Sanderson joined the company at Beaumont in 1948. He has worked in various posts in the T&D and Service Departments. He was promoted to utility foreman in 1964, and in 1968 he moved up to line foreman.

A native of Fort Worth, Tex., Mr. Sanderson is a graduate of Paschal High School.

Mr. Sanderson is a Marine Corps veteran, having served for six years in that branch of the service.

Married to the former Peggy Sandras of Beaumont, he and his wife have three children. They are Mrs. Jerry Durmon of Beaumont, Lorrie Kay, 14, and Perry Jr., 12.

Retirements



Reid W. Tevis

Reid W. Tevis retired last month after 41 years of service at Neches Station in Beaumont.

Mr. Tevis had been operation supervisor there since 1967. Starting out as repairman helper in 1929, he progressed through various classifications in the plant. Among the posts he held were turbine operator, head fireman, station engineer and shift supervisor.

Mr. Tevis is a native of Beaumont and was educated in public schools there.

Married to the former Anna E. Uehlinger of Corpus Christi, Tex., Mr. Tevis and his wife have three children. They are Mrs. John E. Clark of Alexandria, Va., Mrs. Gary C. Scott of Beaumont, and Ronald R. Tevis of Pasadena, Tex.

Mr. Tevis is a member of the Westminster Presbyterian Church and serves as an elder of the church Session.

After retirement, he plans to travel and to spend more time at his camp on Sam Rayburn Lake.



M. A. Merchant

M. A. Merchant ended a 44-year electric utility career when he retired last month as records management supervisor in Beaumont.

Mr. Merchant joined the company at Liberty, Tex., in 1926, and in 1928 he was moved to the Accounting Department at Beaumont.

After advancing through several posts, Mr. Merchant was named supervisor of payroll and classification in 1945. He transferred to the Personnel Department in 1950 and worked there until advancing to records management supervisor in 1959.

A native of Snyder, Okla., he was graduated from Austin High School in Austin, Tex. He also attended the University of Texas.

Mr. Merchant is a member of the Beaumont Chamber of Commerce and the American Records Management Association. He is a past president of the Civitan Club and a past vice president of the Sabine Area Industrial Relations Association.

Married to the former Wier Aldridge of Beaumont, Mr. Merchant and his wife have two children. They are Michael A. Merchant of California and Mrs. David (Carolyn) Brown of Illinois.



Barna H. Gager

Barna H. Gager, service supervisor at Beaumont T&D since 1956, retired last month after 44 years of service.

A native of Beaumont, he joined the company in 1926. He also has worked in the Franklin, Tex., and Port Arthur offices.

Progressing through various posts in the Service Department, he was promoted to assistant service foreman in 1946 and served in that position until advancing to service supervisor.

Mr. Gager was educated in Beaumont area schools and completed additional technical and leadership training courses with the company.

He is a member and past chancellor commander of the Knights of Pythias. He also holds memberships in the Knights of Khorassan Masonic Order, the Gulf Coast Rod and Reel Club and the Beaumont Bass Club.

Married to the former Margaret Sue Mahan of Pulaski, Tenn., Mr. Gager and his wife have two children, Bill and Barbara. Mr. and Mrs. Gager attend the First Christian Church.

Mr. Gager's retirement plans call for plenty of fishing, hunting and traveling.

Thrift Plan

Purchases of Gulf States Utilities Company stock made by the Trustee during December, 1970, covering employee deductions and Company contributions through November, 1970, were as follows:

2,880 shares of common stock at a total cost of \$68,760.04 or an average cost per share of \$23.8750.

100 shares of \$4.40 preferred stock at a cost of \$5,959.90 or an average cost per share of \$59.5990.

The Trustee deposited \$23,400.87 with the Savings Department of the First Security National Bank, Beaumont, Texas.

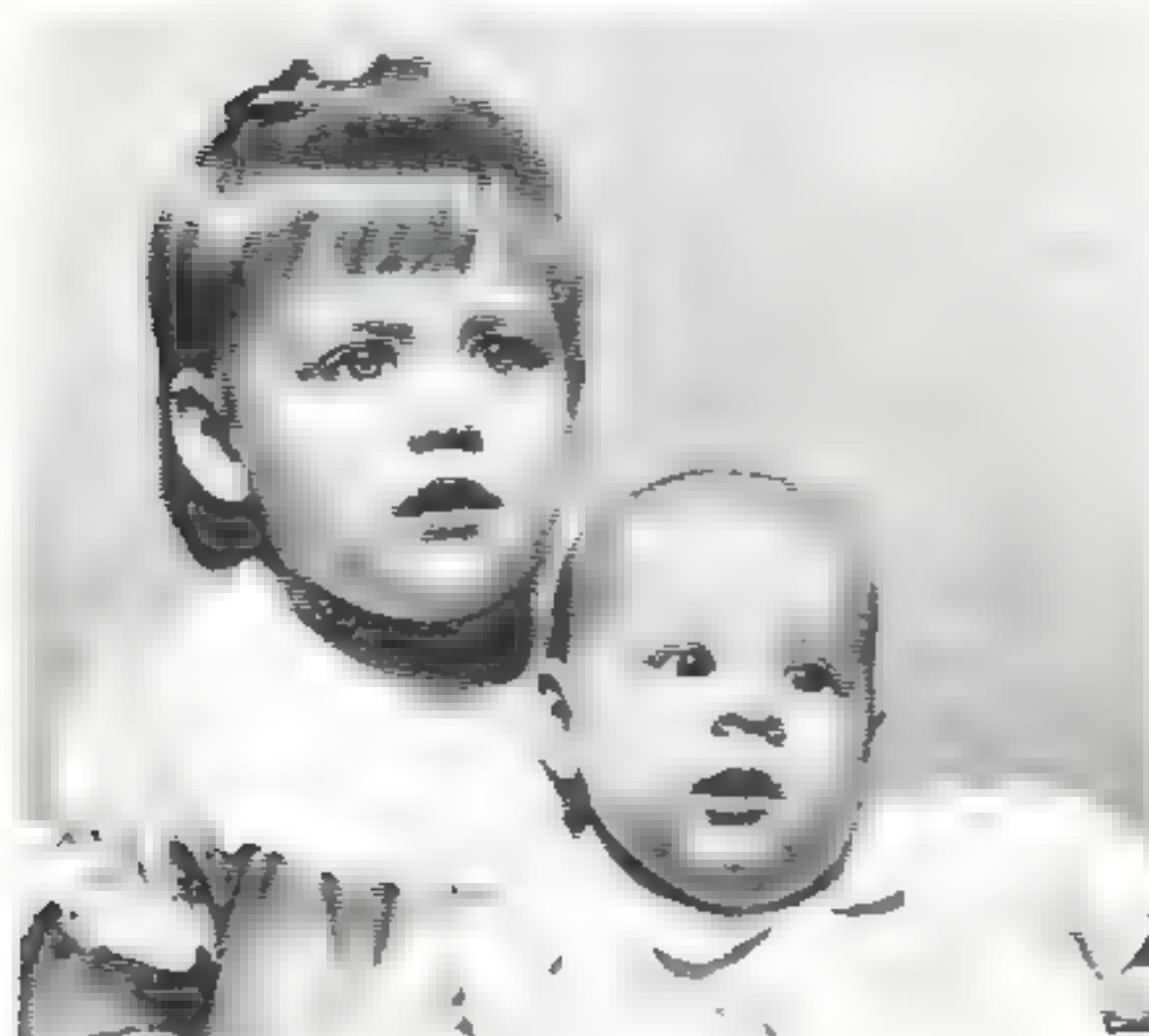


REPORTERS

If you have any news for PLAIN TALKS, simply send the information to one of the following local reporters. They will be happy to assist you in getting the material to the Editor.

Betty Neville (Neches Station), Sue Williams (Port Arthur), Jo Ann Landry (Beaumont S.C.), Johnnie Harris (Lake Charles - T&D), Fay Denney (Lake Charles - O), Bobbie Denais (Lafayette - O), Sue Champagne (Lafayette - T&D), Pam Weston (Nelson Station), Davie Carpenter (Orange), Maxie Bell (Silsbee), Barbara Lindsey (Beaumont), Ann Ogden (Beaumont), Edy Waltmon (Beaumont), Walt Wright (Baton Rouge), Pearl Darbonne (Sulphur), Earl Mayfield (Jennings), Leslie Lemoine (LA Station), Jarvis E. Wilganowski (Calvert), Wanda H. Tinsley (Madisonville), Pat Jones (Cleveland), Gail Reeves (Huntsville), Frances Murray (Conroe), Betty Dickschat (Navasota), Linda Marks (Beaumont), Nina Ruth Bay (Navasota), Dora Landaiche (Willow Glen), Opal Temple (Baton Rouge-Acet.), Margie Force (Baton Rouge - T&D), Sandra Mouch (Baton Rouge - T&D), Gwen Blackwell (Baton Rouge - T&D), Beverly Hayden (Gas Dept.), Janette Lane (Zachary), Mel Nezat (Baton Rouge - Sales), Adele Vavasaur (Port Allen), Billy Fortenberry (Gonzales), Lorraine Dunham (Port Arthur S.C.), and Kathleen Fuller (Sabine Station).

LAKE CHARLES



These pretty darlings are the grandchildren of Mr. and Mrs. Johnny Prejean. Mr. Prejean is storeroom supervisor at the Lake Charles service center. Angel, 22 months and Kristie, 6 months are the daughters of Mr. and Mrs. Randall St. Romain of Lake Charles.

WESTERN DIVISION



Mr. Goree Matthews, district superintendent of Navasota, displays his birthday cake with Clara Wellman, left and Betty Deckschat. Mrs. Wellman and Mrs. Deckschat surprised him with the cake at a recent birthday.

BATON ROUGE

Carl Sibley and Charlotte Dumatraut were married November 26, 1970 in Our Lady Queen of Heaven Catholic Church in Lake Charles. Carl is the son of Sheldon Sibley, substation mechanic.

James R. Stewart, substation operator in the electric service department won third place in a Christmas lighting contest awarded by the Park Forest Citizens Association.

BEAUMONT DIVISION



Mr. and Mrs. M. A. Merchant look over one of his ten gifts that were presented to him at his retirement party held December 30, 1970. Over 200 people attended the affair. Mr. Merchant was records management supervisor and had over 44 years with the company.

Russell Craig Burgin arrived on the scene December 9, 1970 at Memorial Hospital in Lake Charles, weighing in at six pounds, 11 ounces. The proud parents are Mr. and Mrs. Bobby Burgin. Mr. Burgin is a mechanic in the Lake Charles garage.

Alyson and Tammy Bondurant, daughters of Mr. and Mrs. Joe Bondurant were seen in the "Twelve Dancing Princesses," a production by Cotton Candy Players, the children's division of the Artists Civic Theatre and Studio of Lake Charles. Alyson, 9, and Tammy, 7, are students at Prien Lake Elementary School.



Malcolm Williams, area development director, and his daughter Kathryn, 12, display their handiwork from a day's hunt in Gueydan, La. The difference between the two catches is that Kathryn's duck is alive. She befriended the mallard who was slightly wounded.



Cheryl Cunningham, Beverly Sonnier, Jan Perkins, Nelda Steely, Janice Marshall, Lois Ford, Kay Maguire and Maxine Thomas surround Joe Parigi, assistant purchasing agent, at his "wedding shower." Mr. Parigi was married December 27, 1970 to the former Miss Peggy Sue Portie.



Vivian Terrell, wife of J. L. Terrell, senior engineering assistant at Dayton T&D, takes office this month as Liberty County Treasurer. Mrs. Terrell won by a large majority in the May 2 Democratic Primary.



Bill Heaner, left, vice president, personnel manager, was presented a pig (Arnold) by S. L. Adams, senior vice president at a recent 12th floor personnel party. The pig will reside at the Heaner's "Green Acres Farm."



Barna H. Gager, service supervisor in Beaumont T&D, unwraps a gift presented him by friends and fellow workers at his retirement party last month.

Albert Baird, operating superintendent, looks on. Well wishers packed the Service Center auditorium to honor Mr. Gager for his 44 years of service.

Homer Sapien



SERVICE AWARDS



James H. Derr, Jr.
Production
Beaumont



E. R. Vick
Distribution
Beaumont



John B. Wiggins
Production
Baton Rouge

THIRTY YEARS



Asa O. Barrow
Distribution
Lake Charles



Carol Foreman
Distribution
Lake Charles



Eldridge L. Mathews
Production
Beaumont

TWENTY YEARS



Joe O'Neill
Distribution
Cleveland



Jackie L. Powdrill
Engineering
Beaumont



Waco Laurence Wade
Distribution
Port Arthur



Joe West
Distribution
Beaumont

FORTY YEARS



Rex E. Lee
Executive
Beaumont

TEN YEARS



Marion E. Hinch
Production
Beaumont



Conrad Kincaid
Distribution
Beaumont



Leslie Ogden
Operations
Beaumont



Geoffrey Purdon, Jr.
Engineering
Beaumont



Cleo Tolley
System Sales
Beaumont



James E. Wilder
Information & Data
Services
Beaumont



Welcome Aboard!

BATON ROUGE DIVISION

Production

Bergeron, Beverly J. Operator's Helper (La Sta)
Carriere, Ronald G. Mechanic's Helper (La Sta)
Case, Michael S. Mechanic's Helper (La Sta)
Denham, Jesse O., Jr. Mechanic's Helper (La Sta)
Goleman, Curry E. Mechanic's Helper (La Sta)
Morris, Dewey Mechanic's Helper (W/Glen Sta)
Perrero, Gerald L. Operator's Helper (La Sta)
Popleon, Wayne K. Mechanic's Helper (La Sta)
Rusk, Elton R. Equipment Operator (W/Glen Sta)

Distribution

Bera, Michael O. Helper T&D Dept (Relay)
Bob, Lee R. Engr Helper - T&D (Eng)
Bourgeois, Michael J. Helper-T&D Dept (Line)
Bowman, Calvin D. Engr Helper - T&D Dept (Eng)
Chabina, James A. Helper-T&D Dept (S/Sta)
Dell, George E. Helper-T&D Dept (Line)
Garrene, Marvin R. Garage Mechanic 3/C - T&D
Henderson, Ginger G. Dept Clerk - T&D Dept (Line)
Hima, George R. Helper-T&D Dept (Line)
Jarreau, Doherty M. Helper-T&D Dept (S/Sta)
Johnson, Arvis A., III Engr Helper - T&D (Eng)
Mott, James W., Jr. Helper-T&D Dept (S/Sta)
Omar, Donna M. Dept Clerk - T&D Dept (Serv)
Powers, John M. Helper-T&D Dept (Line)
Ratcliff, Charles R., II Helper-T&D Dept (S/Sta)
Reaves, Sherman E. Helper-T&D Dept (Line)
Smith, Gary W. Helper-T&D Dept (Line)
Smith, Robert J. Helper-T&D Dept (Line)
Tomes, Ronald F. Shop & Field Tester

Sales

Webster, Etta G. Home Service Advisor-Jr

Treasury

Gonzales, Henry E. Meter Reader
Hebert, Patricia D. Clerk - Cust Acctg
Kerr, Nola E. Clerk - Cust Acctg
McGaha, Linda A. Local Office Clerk
McGovney, Patricia A. Clerk - Cust Acctg
Morris, John R. Meter Reader
Taylor, Shirley D. Clerk - Cust Acctg

LAKE CHARLES DIVISION

Distribution

Bergeron, Joseph K. Helper-T&D Dept (Relay)
Caulder, James R. Helper-T&D Dept (Line)
Lambert, Daryl C. Helper-T&D Dept (S/Sta)
Malveaux, Anthony Helper-T&D Dept (S/Sta)
McMillin, Gilda D. Dept Clerk - T&D (Eng)
Robinson, Stephen E. Engr Helper - T&D (Eng)

Production

Ardoin, Lawrence Laborer I (Nelson Sta)

System Engineering

Garner, Chester E. Engr Helper - Eng Des (Rel Des & Coord)
Shipman, Bill C. Engr Helper - Eng Des (Stnds Appl)
Whitworth, Harold L. Engr Helper - Eng Des (Des Eng-Const)

System Treasury

Dubose, Elmer H. Clerk - Gen Acctg (Payroll)
Ford, Lois G. Clerk - Purchasing
Frenzel, Delores Y. Clerk - Gen Acctg (Accts Pay)
Norton, Linda P. Clerk - Gen Acctg (Payroll)

Information & Data Services

Kelly, Ruth E. Tabulating Machine Oper - Data Sys Operns

BEAUMONT DIVISION

Production

Frazier, Roger K. Mechanic's Helper (Neches Sta)
Palermo, Johnnie L. Mechanic's Helper (Neches Sta)
Richardson, Orville R. Operator's Helper (Neches Sta)

Distribution

Boring, Dalton R., Jr. Helper-T&D Dept (Line)
Carter, Philip W. Helper-T&D Dept (S/Sta)
Favors, Jack L. Helper-T&D Dept (Line)
Fore, Bryan D. Helper-T&D Dept (S/Sta)
Hays, Keith E. Helper-T&D Dept (Line)
Howard, George H. Helper-T&D Dept (S/Sta)
Lansford, Michael R. Helper-T&D Dept (S/Sta)
Mabry, Richard A. Appliance Repairman Helper - T&D
Williams, James R. Helper-T&D Dept (S/Sta)
Willis, Miles J. Commun Serviceman 3/C - T&D

Treasury

Kittell, Wylie C. Storeroom Assistant
Nickson, Johnnie M. Clerk - Cust Acctg

PORT ARTHUR DIVISION

Production

Ward, Larry G. Mechanic's Helper (Sabine Sta)

Distribution

Scott, Andrew Laborer I - T&D (Line)

Treasury

Andrepoint, Mary C. Clerk - Cust Acctg
Donaldson, Gerald S. Meter Reader
Iverson, Deborah J. Clerk - Cust Acctg
Morehead, Sharon F. Clerk - Cust Acctg
Rogers, Debra G. Clerk - Cust Acctg

WESTERN DIVISION

Production

Burney, Donna B. Dept Clerk (Lewis Creek Sta)
Cannon, Ernest L. Mechanic's Helper (Lewis Creek Sta)
Foster, Don L. Mechanic's Helper (Lewis Creek Sta)
Gouthier, Rodney L. Mechanic's Helper (Lewis Creek Sta)

Distribution

Allen, Toby L. Helper-T&D Dept (Line)
Busse, Herbert R. Helper-T&D Dept (Line)
Callender, Roger L. Helper-T&D Dept (Line)
Dietz, William R. Helper-T&D Dept (Line)
Evans, Donald L. Garage Mechanic Helper - T&D
McLin, Dickie G. Helper-T&D Dept (Line)

Treasury

Hill, Robert L. Meter Reader
Turner, Willie R., II Meter Reader

**When You Arrive
At the Scene
Of an Accident**

WHAT CAN YOU DO TO SAVE A LIFE?

© by the American National Red Cross

This is the second of a series of four articles prepared by the American Red Cross to give you some basic information about what to do when you arrive at the scene of an accident on the highway. As a result of the proper use of this information, you may save a life. These articles are not intended to replace first aid training. A first aid course will prepare you for the unusual and unexpected care you may have to give.

The victim of a highway accident often suffers more than one injury. He may be bleeding externally. His air passage may be blocked so that he may be breathing with difficulty or not at all. He may have suffered fractures and be bleeding internally. There is no time to lose if his life is to be saved.

In this second of a series of four articles we will discuss what you can do when an accident victim is bleeding externally. Such bleeding must be stopped at once or death can occur very rapidly.

The areas of the body most frequently injured in a vehicle accident are the face, the head, and the chest. Facial and head wounds can occur when a driver or a passenger is thrown into the windshield or against other parts of a vehicle. Chest injuries can result when a driver strikes the steering wheel or post. It is a well-established fact that if drivers and passengers would wear their seat belts the number of deaths could be substantially reduced and injuries could be minimized.

On your arrival at the accident scene, you will have set in motion or helped to carry out the things which must be done to protect or help the injured as we outlined in the first article in this series. You will have pulled your vehicle into a safe place, set your flashing lights going, checked how many people are involved, and determined which victims need immediate first aid care for injuries that could quickly lead to loss of life.

PRIMARY OBJECTIVES

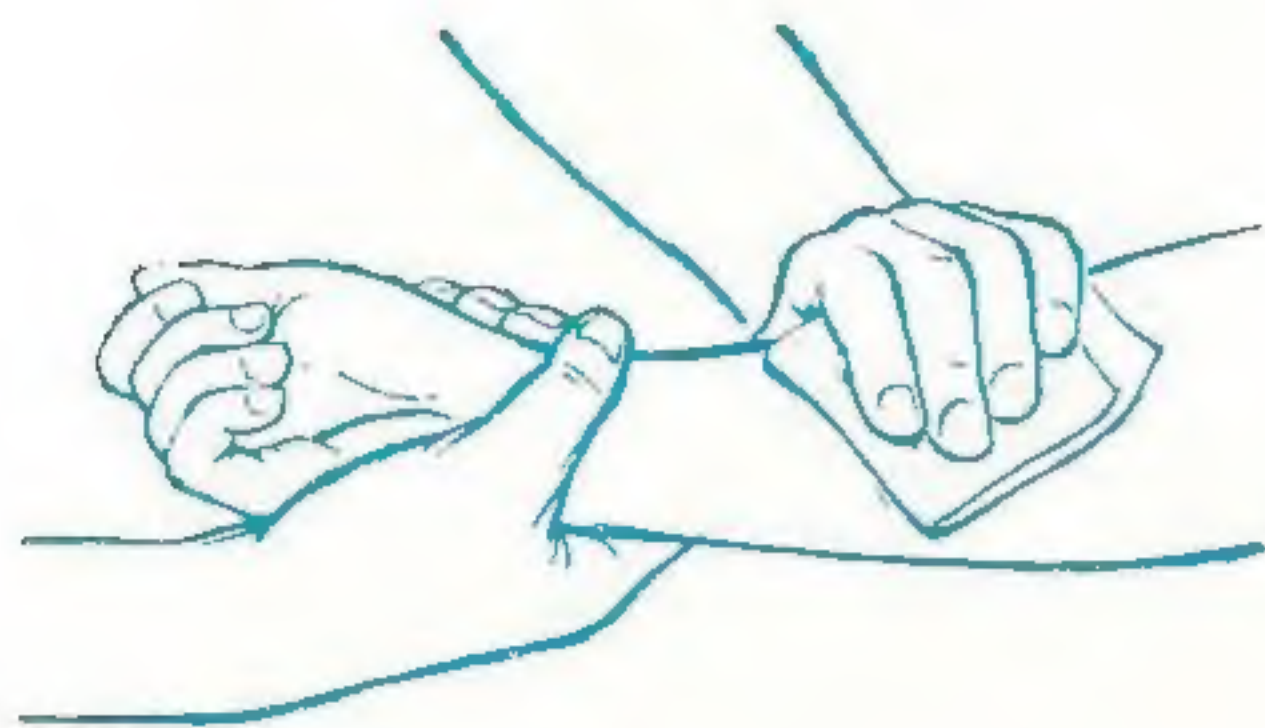
There are *three* primary objectives to remember when giving first aid to the seriously injured. They are (1) control serious bleeding; (2) prevent or treat for stoppage of breathing; and (3) prevent further damage to injured parts of the body. Circulation of blood and exchange of air in the lungs provide oxygen to the brain and other vital organs. Consequently, if a victim has serious bleeding and breathing problems, first aid for both may have to be given almost simultaneously. Brain damage or death can occur in four to six minutes unless there is an adequate supply of oxygen reaching the brain cells.

To prevent further damage do not handle seriously injured persons unless it is absolutely necessary, and all injured persons should be kept lying down to help prevent or delay the onset of shock. Shock can result in death even though the injury which causes the shock might not, necessarily, be a fatal one.

FIRST AID FOR BLEEDING

Direct Pressure

Blood spurting or flowing rapidly from a wound can almost always be controlled by



applying pressure directly on a wound. It is best to use a sterile dressing, a clean cloth, or a part of the clothing if no other cloth is available. The cleaner and more sterile the material used, the better chance of preventing infection. If necessary materials are not immediately available, use your bare hand until they can be brought to use. If the bleeding saturates the dressing, *do not* remove it. Apply more layers on top. Direct pressure can be maintained by bandaging the compresses snugly into place. Do not bandage too tightly for this can cause increased bleeding by restricting the flow of blood through the veins back to the heart. Elevate a bleeding arm or leg to reduce the blood pressure if there are no fractures and such elevation will not cause additional damage to the injured part.

As direct pressure and elevation are applied, you can, when necessary, also use your fingers or the heel of your hand to press a supplying blood vessel against the underlying bone. Such pressure causes the bleeding to diminish. This procedure can be used for an injury to the arm or leg.

There are *two points on each side of the body* where pressure against the supplying blood vessel is of occasional use.

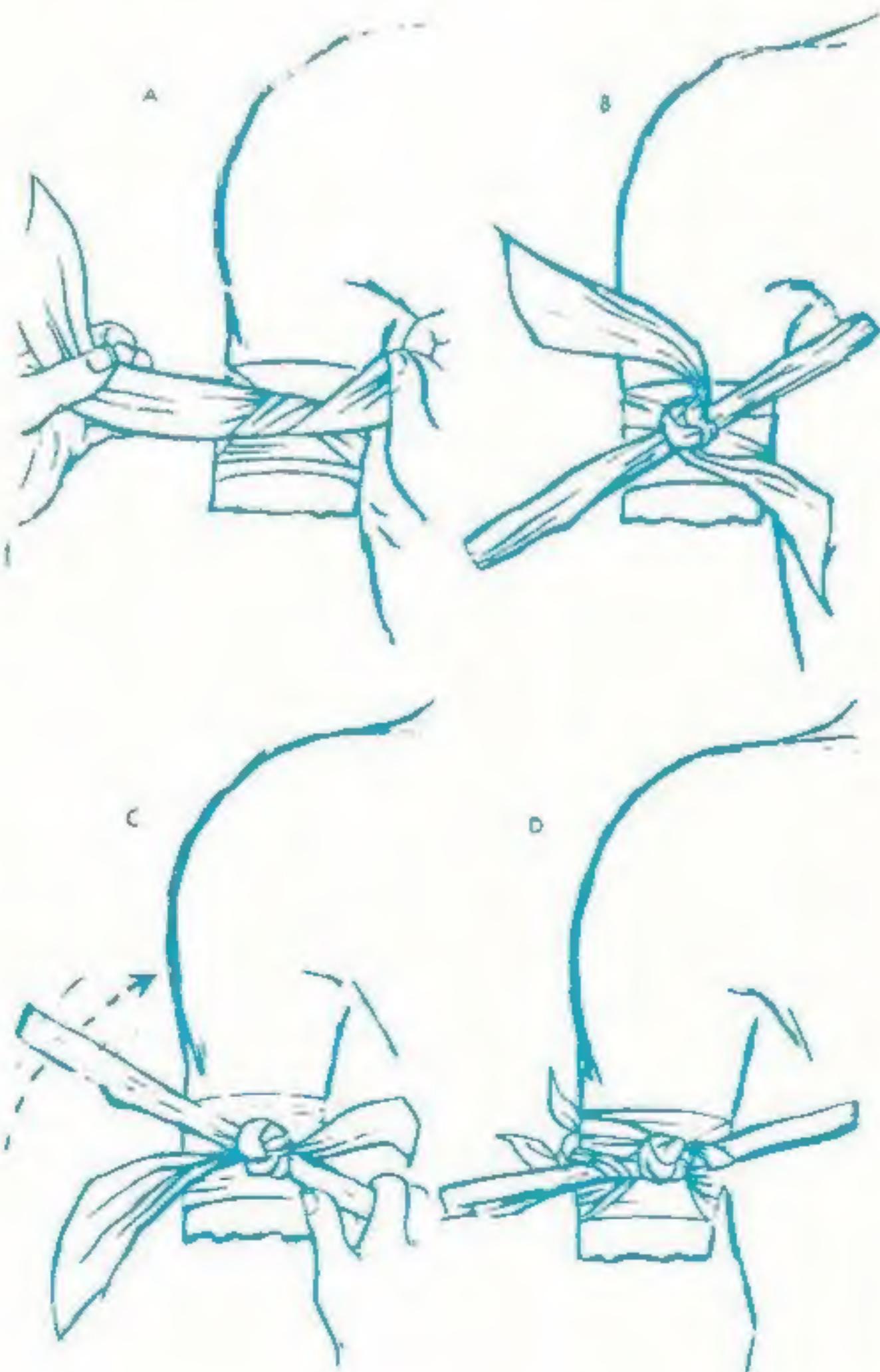
Arm Artery—Pressure on the inner half of the arm, midway between the elbow and the armpit, diminishes the bleeding in the arm, forearm, and hand.



Leg Artery—If pressure is applied just below the groin on the front, inner-half of the thigh, the main blood vessel is compressed against the underlying pelvic bone. Such pressure, when properly applied, diminishes bleeding from wounds in the thigh, leg, and foot.

Tourniquet

A tourniquet should be applied *only* when it is not possible to control bleeding from an arm or a leg by direct pressure, elevation, and use of the pressure points, and there is a choice to make between the loss of life or the possible loss of a limb. *The tourni-*



quet is rarely needed. It may be used when large arteries are severed or in cases of partial or complete severance of an arm or a

leg. If you must apply a tourniquet, place a piece of flat material at least 2" wide (do not use a rope or wire) just above the wound. Wrap the material tightly twice around the limb, if possible, and tie a half-knot. Place a short stick or similarly strong object on the half-knot, and tie a full knot. Then, twist the stick until the blood flow stops. *If the tourniquet is not tight enough*, bleeding from the wound can increase. Next, secure the stick in place with a strip of cloth. Be sure to place a note on the victim, where it can be seen, describing the location of the tourniquet and the time it was applied. Victims on whom tourniquets have been applied *need medical attention* as soon as possible. *Do not release* the tourniquet. This should be done only by a doctor.

FIRST AID FOR SHOCK

To help prevent and care for shock, keep the victim lying down. Shock is essentially a blood circulatory problem, and its effects on the body are much the same as uncontrolled serious bleeding. The lying-down position aids the flow of blood to the head and chest, where it is most needed. Elevate the lower part of the body 8 to 10 inches except when (1) there is a head injury, (2) there is difficulty in breathing, or (3) the victim complains of pain when elevation is attempted. When there is difficulty in breathing, elevate the victim's head and shoulders, *not* the lower part of the body.

Prevent a large loss of body heat. If the victim is lying on the ground, cover him on top, and, if possible, underneath his body according to the prevailing temperature of the environment. Do not cause sweating. It is better if he is slightly cool than too warm.

IN SUMMARY

Control severe bleeding as soon as possible.

- Use direct pressure. This will control most bleeding.
- Elevate the part where possible.
- Use an arm or leg pressure point if needed.
- If you are unable to control the bleeding with direct pressure, elevation, pressure points and the person is in danger of bleeding to death, a tourniquet can be used.

Keep victim lying down to care for shock and protect him from additional injuries.

Prevent a large loss of body heat.

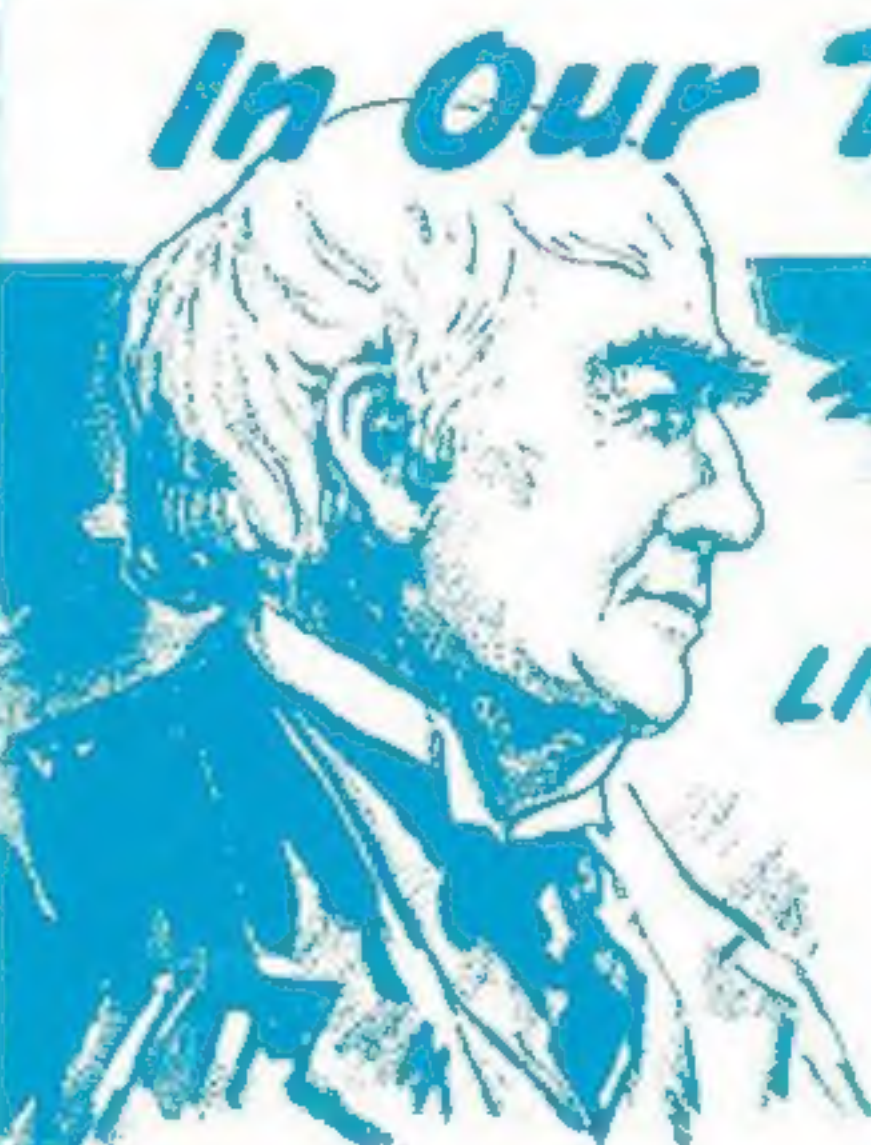
We have pointed out that severe bleeding and breathing problems can occur at the same time. In the article to follow, we will discuss what you can do when an accident victim has stopped breathing or is breathing with difficulty.

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In Our Time *by Grotter*



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FOR THOUSANDS OF YEARS, ASIDE FROM SUN-LIGHT, MAN HAD TO DEPEND UPON LIGHT FROM A FLAME TO SEE...



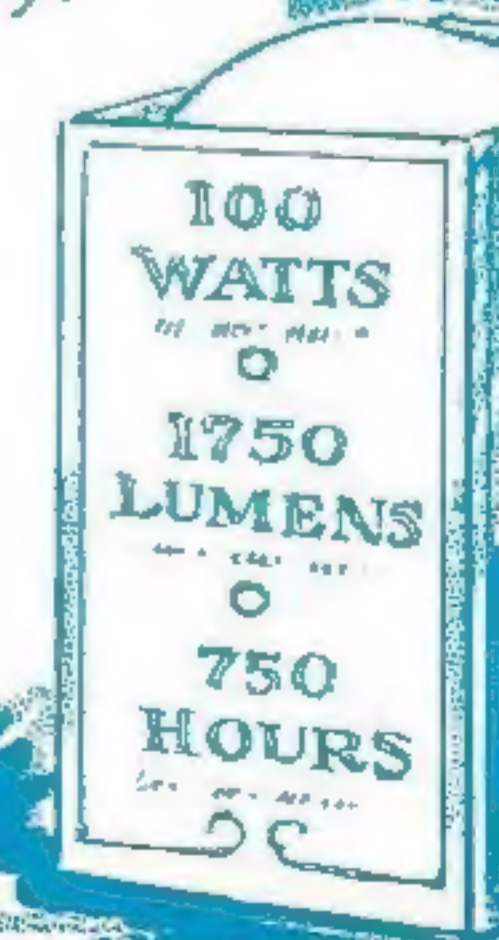
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